

In the Claims

1. (currently amended) An inflatable device, comprising:
a substantially fluid impermeable bladder comprising a recess sized to accommodate at least a portion of the fluid controller; and
a fluid controller comprising an electrically powered pump, the pump being and at least partly positioned within the recess.
2. (original) The inflatable device of claim 1, wherein the fluid controller is constructed and arranged such that a majority of the fluid controller is positioned within the bladder.
3. (original) The inflatable device of claim 2, wherein the fluid controller is constructed and arranged such that substantially all of the fluid controller is positioned within the bladder.
4. (cancelled)
5. (original) The inflatable device of claim 1, wherein the fluid controller comprises a housing.
6. (currently amended) The inflatable device of claim 5, wherein the housing comprises a flange [that connects] impermeably connected to the bladder.
7. (currently amended) The inflatable device of claim 1, wherein the fluid controller comprises a flange [that connects] impermeably connected to the bladder.
8. (currently amended) The inflatable device of claim 7, wherein the flange comprises a fluid impermeable wall that connects to a housing of the inflatable device.

9. (currently amended) The inflatable device of claim 8, wherein the flange [connects to] is in contact with the housing at an outlet of the housing.

10. (original) The inflatable device of claim 7, wherein a remainder of the fluid controller is constructed and arranged to be removable from the flange.

11. (currently amended) The inflatable device of claim 1, wherein the fluid controller comprises a first locking mechanism and an adjustment device including a second locking mechanism sized and adapted to ~~reversibly mate with the first locking mechanism.~~

12. (original) The inflatable device of claim 11, wherein the adjustment device further comprises:

a first switch electrically connected to the pump and a power source such that the first switch may selectively energize the pump; and

a second switch mechanically connected to a valve of the fluid controller such that it may selectively open the valve;

wherein the first switch and second switch are in fixed proximity to one another.

13. (original) The inflatable device of claim 12, wherein the adjustment device further comprises a top portion and the first switch and the second switch are positioned on the top portion.

14. (original) The inflatable device of claim 1, further comprising an adjustment device, including:

a first switch electrically connected to the pump and a power source such that the first switch may selectively energize the pump; and

a second switch electrically connected to a power source and electro-mechanically connected to a valve of the fluid controller such that it may selectively open the valve.

15. (original) The inflatable device of claim 14, wherein the electro-mechanical connection comprises a solenoid.
16. (original) The inflatable device of claim 1, wherein the fluid controller comprises a valve and a member connected to the valve that moves the valve between an open and a closed position.
17. (original) The inflatable device of claim 16, wherein the member is adapted to be actuated by a switch on an adjustment device.
18. (original) The inflatable device of claim 16, wherein the member is a stem.
19. (currently amended) ~~A combination of a fluid controller comprising an electrically powered pump and an inflatable bladder~~ An inflatable device, comprising:
an inflatable bladder; and
the a fluid controller including an electrically powered pump, the fluid controller being fixedly connected to the inflatable bladder, and the pump being at least partially embedded in the bladder such that the exterior profile of the fluid controller and inflatable bladder in combination is essentially the same as the exterior profile of the inflatable bladder.
20. (currently amended) An inflatable system, comprising:
a substantially fluid impermeable bladder; and
a fluid controller comprising:
a pump in fluid communication with the bladder through a valve and comprising a first locking mechanism; and
an adjustment device including a first switch mechanically connected to the valve and a second locking mechanism sized and adapted to reversibly mate with the first locking mechanism.

21. (currently amended) The inflatable system of claim 20, wherein the adjustment device further comprises:

a top portion;

a ~~first~~ second switch having a first position and a second position, positioned on the top portion and electrically connected to the pump and a power source; and

~~wherein the a-second~~ first switch is positioned on the top portion ~~and mechanically connected to a valve.~~

22. (original) The inflatable system of claim 20, wherein the pump is an electrically powered pump and the fluid controller is at least partly positioned within the bladder.

23. (original) The inflatable system of claim 22, wherein a majority of the fluid controller is positioned within the bladder.

24. (original) The inflatable system of claim 23, wherein substantially all of the fluid controller is positioned within the bladder.

25. (original) The inflatable system of claim 22 wherein the bladder includes a recess sized and configured to accommodate at least a portion of the pump.

26. (original) The inflatable system of claim 22, wherein the pump includes a housing and the housing includes a flange that connects to the bladder.

27. (previously amended) An inflatable device, comprising:

a substantially fluid impermeable bladder;

a fluid controller comprising:

an electrically powered pump, and

a self-sealing valve; and

an adjustment device, comprising:

a first switch electrically connected to the pump and a power source such that the

first switch may selectively energize the pump, and

a second switch electrically connected to a power source and
electro-mechanically connected to the self-sealing valve of the fluid controller such that
it may selectively open the self-sealing valve.

28. (previously amended) The inflatable device of claim 27, wherein the electro-mechanical connection comprises a solenoid.

29. (previously added) The inflatable device of claim 7, wherein the flange comprises the recess.

30. (new) An inflatable device, comprising:
a substantially fluid impermeable bladder; and
a fluid controller comprising a pump;
wherein the fluid controller is fixedly connected to the bladder such that the pump is at least partially within the bladder.

31. (new) The inflatable device of claim 30, wherein the fluid controller is constructed and arranged such that a majority of the fluid controller is positioned within the bladder.

32. (new) The inflatable device of claim 31, wherein the fluid controller is constructed and arranged such that substantially all of the fluid controller is positioned within the bladder.

33. (new) The inflatable device of claim 30, wherein the fluid controller comprises a housing having a flange that connects to the bladder.

34. (new) The inflatable device of claim 1, wherein the recess is formed by an indent in the impermeable bladder.

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b¹ 35. (new) The inflatable device of claim 1, wherein the recess is formed by a flange impermeably connected to the impermeable bladder.

36. (new) The inflatable device of claim 1, wherein the recess is formed by the fluid controller.
